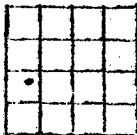


00321

COUNTY Jacksonsec. 8 T. 48 R. 31Owner —Elev. 909 MGS# —Farm Howard, T.C. No. 3 TD 227 Shows gas\* Spls. —Date  
Status — Completed 8-30-29 Fm@TD —

Remarks: \*prod. - 452 M

HO 006

# **Layne-Western Company, Inc.**

A Marley Company

620 South 38th Street • P.O. Box 6126 • Kansas City, Kansas 66106 • 913/321-5000

January 21, 1987

Department of Natural Resources  
Division of Geology & Land Survey  
P O Box 250, 111 Fairgrounds Road  
Rolla, MO 65401

**RECEIVED**  
JAN 26 1987

MO Oil & Gas Council  
Economic Geology

Attention: Mr. Bruce Netzler

SUBJECT: PLUGGING OF T.C. HOWARD WELL NO. 3  
EAST LAKE VILLAGE - 2ND PLAT  
LAKEWOOD DEVELOPMENT  
JACKSON COUNTY, MISSOURI

*See 8 / T484/R316*

Gentlemen:

In accordance with our January 20th, 1987 phone conversation, we are enclosing information as to the plugging operations conducted on the above referenced well.

Briefly, our service personnel mobilized on November 18, 1986 and began drilling a 7-7/8" hole. The hole was advanced to 165 ft where an approximate 2" pipe was encountered. Approximately 20 ft of 2" pipe and a 4-1/2" x by approximately 5" long cast iron pipe was removed from the well. The drilled stem was reinstalled into the well and the hole advanced to 186 ft.

An obstruction was encountered at that point and several attempts were made with an overshot to fish the obstruction out of the well however, it was decided to plug the well at that point to grade. Due to several days of poor ground conditions, our service crew was not able to complete the cementing operations until December 16, 1986. Neat cement grout was pumped into the bottom of the hole and the drill stem removed until the entire hole had been filled. Eighty sacks of cement were required to plug the hole. As requested by Tuttle-Ayers-Woodward Company, the 8" steel casing was cut off 3 ft below ground level and our service personnel loaded and mobilized back to Layne-Western Company.



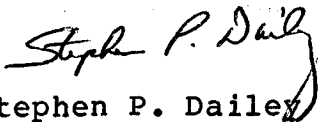
WATER SUPPLY SERVICES

Department of Natural Resources  
January 21, 1987  
Page 2

Layne-Western Company appreciates the information submitted by the Missouri Geological Survey on this project and would be happy to answer any questions you may have concerning our plugging operation on the above referenced well.

Respectfully yours,

LAYNE-WESTERN COMPANY, INC.



Stephen P. Dailey

cc: Tuttle-Ayers-Woodward  
Attn: Ron Talcott

Enclosure

SPD/cs